

Claims

- [c1] 1. A computing device, comprising:
a handheld housing and processor and display, said display displaying a plurality of different indicators, and wherein at least one of said indicators, when selected, selecting execution of a prestored sequence of actions that interface with a remote internet site, takes some action on the remote internet site, and returns information from the internet web site.
- [c2] 2. A device as in claim 1, wherein said processor displays said information on said display.
- [c3] 3. A device as in claim 1, wherein said sequence accesses a plurality of different Internet sites, and said information is based on said plurality of Internet sites.
- [c4] 4. A device as in claim 1, wherein at least one of said indicators includes an area for entry of variable information, and wherein said variable information is sent to said Internet site.
- [c5] 5. A device as in claim 1, wherein said remote Internet site includes a bank, and said value includes a balance from said bank.
- [c6] 6. A device as in claim 1, wherein said value includes a plurality of different actions on said web site that can be carried out.
- [c7] 7. A device as in claim 1, wherein said action comprises a sequence of actions that are carried out to navigate through a sequence of actions on said web site and return a specified value.
- [c8] 8. A device as in claim 6, wherein said plurality of different actions include at least one action that can be selected to carry out said action on said web site.
- [c9] 9. A device as in claim 4, wherein said web site is a web site that enables bids to be placed on items, and said entry of variable information is an area where a bid amount can be input.
- [c10] 10. A device as in claim 3, wherein said action comprises taking a first action on a first web site, to obtain a first value, and taking a second action on a second

web site using said first value to access said second web site.

- [c11] 11. A device as in claim 10, wherein said first action comprises obtaining a first bill amount from said first web site which represents a web site holding bills, and said second action comprises paying the bill amount obtained from the first web site using said second web site, which is a bank's web site.
- [c12] 12. A device as in claim 1, wherein said action with the remote web site comprises validating a secured transaction.
- [c13] 13. A device as in claim 12, further comprising an indicator with a first state indicating that said validating has occurred within a first specified time and a second state indicating that said validating has not occurred within a specified time.
- [c14] 14. A device as in claim 12, further comprising a biometric reader, associated with said validating.
- [c15] 15. A device as in claim 12, further comprising a memory storing a secret encryption key, and wherein said validating comprises using said secret encryption key.
- [c16] 16. A device as in claim 13, further comprising a memory storing a secret encryption key, and wherein said validating comprises using said secret encryption key, and wherein said action comprises sending a message to the remote Internet site, validating said secret encryption key at said remote Internet site, and returning an indication of a valid secret encryption key to take said first state.
- [c17] 17. A device as in claim 1, further comprising a handheld housing and wherein said processor and display are housed by said handheld housing.
- [c18] 18. A device as in claim 1, wherein said processor and display are battery driven.
- [c19] 19. A method, comprising:
using a prestored sequence of actions to access an Internet web site and to obtain and return specified information from said Internet web site.

- [c20] 20. A method as in claim 19, further comprising storing said prestored sequence of actions, by monitoring a users actions when actually accessing said Internet web site.
- [c21] 21. A method as in claim 20, wherein said monitoring comprises monitoring actions in the background of a Web browser.
- [c22] 22. A method as in claim 20, wherein said monitoring comprises executing a dedicated program that monitors actions taken to access a web site.
- [c23] 23. A method as in claim 19, further comprising entering a supplemental parameter value to be used in accessing said web site.
- [c24] 24. A method as in claim 21, wherein said monitoring comprises monitoring multiple keystrokes, and executing a specified key at a specified time to select specified ones of the monitore keystrokes.
- [c25] 25. A method as in claim 23, further comprising automatically determining which of said stored sequence of actions requires parameter entry.
- [c26] 26. A method as in claim 20, wherein said storing comprises determining a users selection of said specified information to be returned.
- [c27] 27. A method as in claim 19, wherein said sequence of actions accesses more than one web site.
- [c28] 28. A method as in claim 25, wherein said sequence of actions accesses a first web site to obtain first information, and a second web site to carry out an operation using said first information from said first web site.
- [c29] 29. A method as in claim 28, wherein said first web site is an account, said first information represents an amount which is due on said account, and said second web site carries out an action to pay said balance.
- [c30] 30. A method as in claim 19, wherein said specified information is a list of actions that can be carried out on said Internet web site.
- [c31] 31. A method as in claim 30, further comprising selecting at least one of said

actions to be carried out on said Internet web site.

- [c32] 32. A method as in claim 19, wherein said Internet web site is an auction web site which enables placing bids on auctions.
- [c33] 33. A method as in claim 32, further comprising determining a user status on the auction web site, and returning different information based on said user status.
- [c34] 34. A method as in claim 19, further comprising detecting an active connection to the Internet, and updating a plurality of variables when said active connection is detected.
- [c35] 35. A method as in claim 20, further comprising detecting an active connection to the Internet, and enabling storing of new prestored sequences only when said active connection is detected.
- [c36] 36. A method as in claim 19, wherein said specified information from said Internet web site is validation information for a secured transaction.
- [c37] 37. A method as in claim 36, further comprising a changing a state of an indicator to indicate validation information.
- [c38] 38. A method as in claim 36, further comprising reading biometric information, and validating said biometric information.
- [c39] 39. A method as in claim 38, wherein said validation information is based on both biometric information and validation by said Internet web site.
- [c40] 40. A method as in claim 36, further comprising storing secret encryption information, and wherein said Internet web site validates said secret encryption information and returns secured information.
- [c41] 41. A computer, comprising:
a network connection;
a user interface, which displays at least one indication of a prestored sequence of actions to be carried out over said network connection; and
a processor, which operates based on a selection of said prestored sequence of

actions, to execute said prestored sequence of actions over said network connection.

- [c42] 42. A computer as in claim 41, wherein said processor detects whether said network connection is available at a current, and executes said prestored sequence of actions at a later time at said network is not available at said current time.
- [c43] 43. A computer as in claim 42, wherein said processor executes each of a plurality of different prestored sequences of actions whenever said network connection is available, to obtain updated information each time said network connection is available.
- [c44] 44. A computer as in claim 41, wherein said prestored sequence of actions accesses an Internet site to obtain specified information from said Internet site.
- [c45] 45. A computer as in claim 41, wherein a single one of said prestored sequences of actions accesses a plurality of different Internet sites, to obtain specified information from each of said plurality of different Internet sites.
- [c46] 46. A computer as in claim 45, wherein said prestored sequence of actions accesses a first Internet site to obtain first information, and accesses a second Internet site using said first information to access said second Internet site.
- [c47] 47. A computer as in claim 41, wherein said processor also carries out an operation to validate based on an encryption key.
- [c48] 48. A computer as in claim 47, wherein said processor sends said encryption key to said remote site, and obtains a validation key from said remote site.
- [c49] 49. A computer as in claim 48, further comprising a biometric reader, and wherein said validate comprises validating based on both said encryption key and a signal from said biometric reader.
- [c50] 50. A computer as in claim 48, further comprising an indicator, and wherein said indicator is changed in state based on said validation key.
- [c51] 51. A device as in claim 41, further comprising a handheld housing and wherein

said processor and user interface are housed by said handheld housing.

[c52] 52.A device as in claim 41, wherein said processor and user interface are battery driven.